

Message

From: SR-LCH Hazmat - NOAA Service Account [sr-lch.hazmat@noaa.gov]
Sent: 12/9/2019 9:56:32 PM
To: Adams, Adam [Adams.Adam@epa.gov]; arupp@co.jefferson.tx.us; bwhitworth@tfs.tamu.edu; Carman.Apple@tdem.texas.gov; Djackson@cigrovestx.com; dpopoff@responsegroupinc.com; dyoumans@co.jefferson.tx.us; edward.norman@tdem.texas.gov; george.w.bowles@uscg.mil; Hope.Davila@tceq.texas.gov; Jacqueline.M.Twomey@uscg.mil; jardoin@co.orange.tx.us; Joel.S.Ferguson@uscg.mil; kurt.hollier@gmail.com; Larry.Richard@portarthurtx.gov; mwhite@co.jefferson.tx.us; pgracianette@cteherm.com; sarah.kirksey@tceq.texas.gov; scott.mcdonald@tpcgrp.com; sr-hgx.ops@noaa.gov; troy.monk@tpcgrp.com; Andy Patrick - NOAA Federal [andy.patrick@noaa.gov]; Emily Bourg [Emily.Bourg@tceq.texas.gov]; Jillian Layton [Jillian.Layton@tceq.texas.gov]; Paige.Doelling@noaa.gov; Paul Washburn [paul.washburn@portarthurtx.gov]; Roger Erickson - NOAA Federal [roger.erickson@noaa.gov]
Subject: Port Neches Spot Forecast 400 PM 12/9/2019

Spot Forecast for TPC Plant Fire...National Weather Service
National Weather Service Lake Charles LA
349 PM CST Mon Dec 9 2019

Forecast is based on forecast start time of 1600 CST on December 09.
If conditions become unrepresentative...contact the National Weather Service.

Please contact our office at (337) 477-5285, if you have questions or concerns with this forecast.

.DISCUSSION...

South winds will decrease this evening, with rain chances increasing as a cold front approaches the region. Patchy fog is possible during the overnight hours into early Tuesday morning. widespread showers and isolated thunderstorms expected late tonight into Tuesday as the front pushes through the area. Front looks to pass through the spot location between 4 and 6 AM. Gusty north winds, cooler temperatures, and areas of rain are expected to continue behind the front through the day on Tuesday.

.REST OF TODAY...

Sky/weather.....Partly sunny (65-75 percent). Slight chance of showers and thunderstorms.

Chance of pcpn.....20 percent.

Max temperature.....Around 79.

Min humidity.....71 percent.

Surface winds.....South winds 8 to 9 mph.

Mixing height.....400-600 ft AGL.

Transport winds.....Southwest 12 to 14 mph.

TIME (CST)	4PM	5PM
Sky (%)	65	70
Weather cov	SCH	SCH
Weather type	RW	RW
Tstm cov	SCH	SCH
Chc of pcpn (%)	20	20
Temp	75	73
RH	79	84
Surface wnd dir	S	S
Surface wnd spd	11	10
Surface wnd gst	17	15

Mix hgt (kft)...0.6 0.4
Transp wind dir.SW S
Transp wind spd.14 12

.TONIGHT...

Sky/weather.....Mostly cloudy (75-85 percent). Chance of
showers in the evening, then showers after
midnight. Patchy fog early in the morning.
Chance of pcpn.....80 percent.
Min temperature.....Around 58.
Max humidity.....100 percent.
Surface winds.....South winds 5 to 8 mph until early morning
becoming light, then becoming southwest around
5 mph early in the morning shifting to the
northwest around 7 mph.
Mixing height.....100-300 ft AGL.
Transport winds.....Southwest 5 to 9 mph shifting to the northwest
around 5 mph early in the morning.

TIME (CST)	6PM	7PM	8PM	9PM	10P	11P	MID	1AM	2AM	3AM	4AM	5AM
Sky (%)	66	68	71	73	79	84	90	87	84	81	84	87
Weather cov	CHC	CHC	CHC	CHC	CHC	CHC	DEF	DEF	DEF	DEF	DEF	DEF
Weather type	RW	RW	RW	RW	RW	RW	RW	RW	RW	RW	RW	RW
Tstm cov												
Chc of pcpn (%)	30	30	30	30	30	30	80	80	80	80	80	80
Temp	72	71	70	70	70	70	69	69	68	68	66	64
RH	87	90	93	93	93	93	93	93	93	93	93	93
Surface wnd dir	S	S	S	S	S	S	S	S	S	S	SW	NW
Surface wnd spd	9	8	8	8	8	6	6	6	5	6	6	8
Surface wnd gst	13	12	10	9	9	9	9	9	8	9	10	13
Mix hgt (kft)	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.2	0.3
Transp wind dir	S	S	S	S	S	S	S	S	S	S	SW	NW
Transp wind spd	9	8	7	7	7	7	7	6	6	5	5	5

.TUESDAY...

Sky/weather.....Cloudy (90-100 percent). Rain showers through
the day. Patchy fog early in the morning.
Chance of pcpn.....90 percent.
Max temperature.....Around 58.
Min humidity.....89 percent.
Surface winds.....North winds 8 to 15 mph. Gusts up to 28 mph in
the late morning and afternoon.
Mixing height.....300-1800 ft AGL.
Transport winds.....North 6 to 14 mph increasing to northeast 28 to
30 mph.

TIME (CST)	6AM	7AM	8AM	9AM	10A	11A	12P	1PM	2PM	3PM	4PM	5PM
Sky (%)	90	92	95	97	97	98	98	98	98	99	98	98
Weather cov	DEF	DEF	DEF	DEF	DEF	DEF	DEF	DEF	DEF	DEF	DEF	DEF
Weather type	RW	RW	RW	RW	RW	RW	RW	RW	RW	RW	RW	RW
Tstm cov										SCH	SCH	SCH
Chc of pcpn (%)	90	90	90	90	90	90	90	90	90	90	90	90
Temp	63	58	58	57	55	53	52	50	49	48	47	46
RH	90	100	93	90	93	93	93	93	93	93	93	93
Surface wnd dir	N	N	N	N	N	N	N	N	N	N	N	N
Surface wnd spd	10	11	13	14	15	16	18	18	19	19	19	19
Surface wnd gst	15	16	18	20	22	23	25	25	26	28	28	26
Mix hgt (kft)	0.3	0.5	0.7	0.9	1.1	1.2	1.4	1.5	1.7	1.8	1.7	1.5

Transp wind dir.N	N	N	N	N	NE	NE	NE	NE	NE	NE	NE
Transp wind spd.6	9	14	18	21	24	25	28	29	29	30	29

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Forecaster...CARBONI